FISHING & RESEARCH



Trusted by the most demanding Fishermen and Researchers



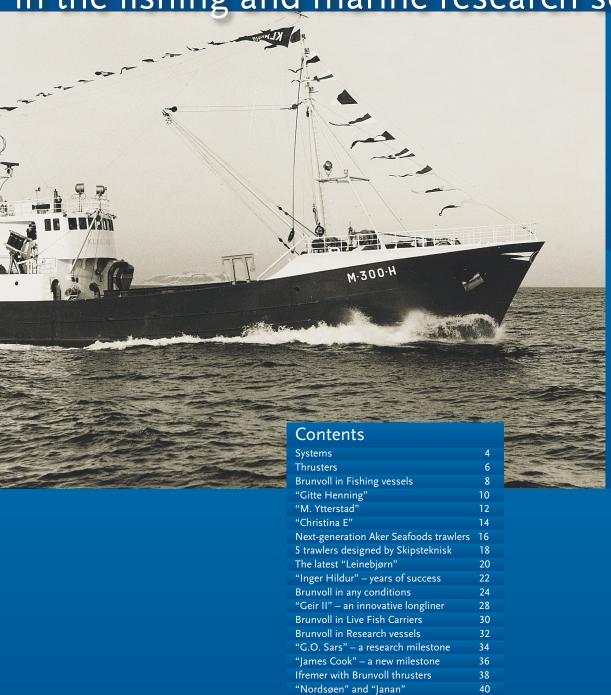
The first Brunvoll thruster – in 1965

This friendship has grown ever since –



rapidly became the fisherman's friend!

in the fishing and marine research sectors



Brunvoll in any kind of Research vessel



Renowned and reliable

Thrusters are becoming more and more important for fishing and research vessels. Since 1965, Brunvoll has been developing innovative thrusters for more effective manoeuvring.

Brunvoll offers access to expertise and flexibility for creating optimal thruster solutions. Benefits include precise manoeuvring in harbours as well as efficiently securing the catch in challenging and vulnerable environments.

Our unique expertise is valued in advanced fishing, research, and multipurpose vessels.

Complete thruster systems from a single-source supplier

Brunvoll offers a consistent range from 100 kW to 3,500 kW – including tunnel thrusters, LowNoise thrusters, retractable azimuth thrusters, combined retractable azimuth/tunnel thrusters and rim-driven thrusters (RDTs).

Brunvoll provides fully integrated thruster solutions complete with drive, control, alarm and monitoring systems, electronic cabinets, and hydraulic power units.

advanced Fishing and Research vessels?



BruCon from Bridge to Blade

BruCon is Brunvoll's modular control, monitoring and alarm system for manoeuvring, positioning and propulsion – enabling:

- Precise control of manoeuvring, positioning and propulsion
- Optimized performance
- Reduced wear
- Smarter preventive maintenance
- Reliable service
- Access to Brunvoll support 24/7

Lifetime service and support

- Our streamlined organization focuses on thruster systems only.
- All our thruster systems are Brunvoll design our service personnel know them inside out.
- Brunvoll's experienced teams of in-house service engineers have multidisciplinary skills.
- Fast and knowledgeable response to service calls is available 24/7.
- For short delivery times, we keep extensive stocks of spare parts for all Brunvoll thrusters in service.

One consistent high-quality Brunvoll

Tunnel

Tunnel LowNoise

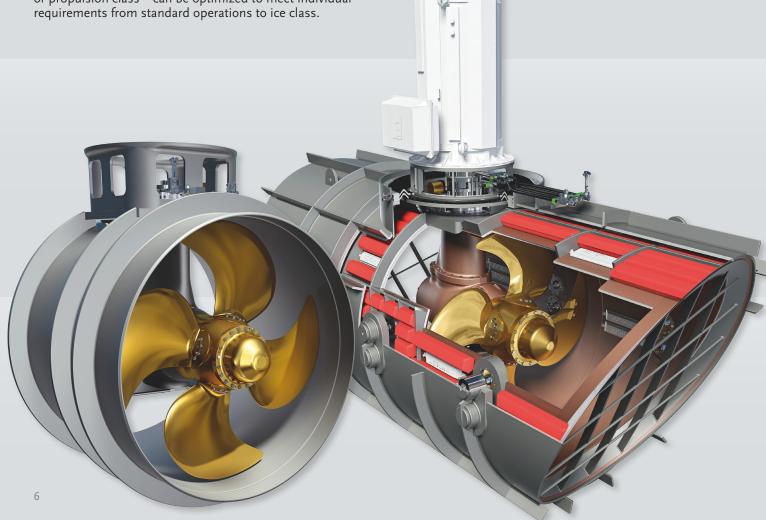
Tunnel Thrusters from 100 to 3,500 kW

Brunvoll tunnel thrusters have been a success throughout the maritime sector. In the challenges presented by today's fishing industry, they have proved their reliability with many operating hours each year, including dynamic positioning. Our thrusters have undergone constant refinement since the first unit was delivered in 1965, and are now state of the art in the market.

Each thruster system – whether auxiliary duty units, DP class or propulsion class – can be optimized to meet individual requirements from standard operations to ice class.

LowNoise Thrusters

... are valuable for vessels where noise must be minimal to achieve the best possible conditions for fishing and research. Low noise means comfort for personnel, increasing alertness and productivity. Brunvoll pioneered low-noise thrusters. We have improved this technology through four generations.





Retractable Azimuth

Retractable Azimuth Thrusters

Brunvoll is a pioneer in developing retractable azimuth thrusters and applying them in new areas.

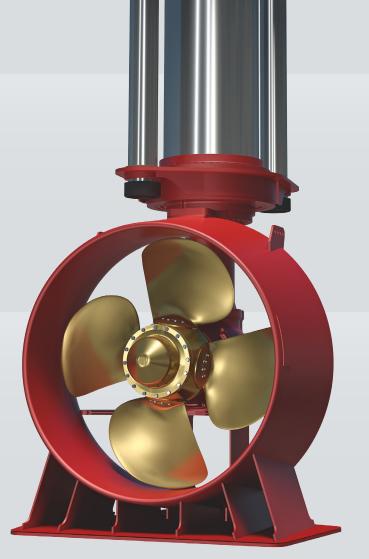
A Brunvoll retractable thruster can be lowered in a minute, for added operational flexibility. Creative owners have already implemented retractable azimuth thrusters as part of their catch process, as in "Gitte Henning", "Libas" and "Geir II". These thrusters offer flexibility, reliability, and emergency take-home capacity.

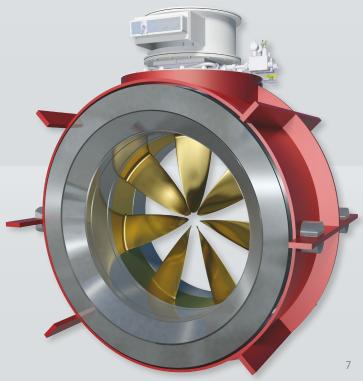
Rim Driven

RDT – Rim Driven Thrusters

... enable space-saving and flexible design along with quiet performance. The undisturbed water inflow to the propeller reduces noise and vibration, improving thruster efficiency.

With the integrated electric motor, there is no need for shaft line, coupling or external electric motor. With no gears and bearings that need oil lubrication, RDTs reduce environmental risk.





Fishing vessels of Norwegian

Since Viking times, building robust fishing vessels has been a matter of survival in Norway. Centuries of expertise underpin the cluster of maritime innovation on Norway's West coast.

New potential for profitability

Today's fishing vessels are becoming more and more advanced with multi-purpose year-round capabilities – including patrol, support, rescue and salvage, oil recovery, dynamic positioning, and ROV operation. Brunvoll's expertise offers a gateway to optimal solutions and new opportunities. Extended functionality makes the most of your investment all year round.

Norway – innovative in marine skills and ship concepts

Washed by the world's wildest oceans, Norway has been driven to become the leader in fisheries and marine research. Barren landscapes have bred generations of seafarers who depended on these challenging waters for food. An attitude of innovation and superb workmanship has been hammered into a maritime tradition that dates back to Viking times.



design are in the forefront

Brunvoll is a respected member of this cluster. We also work in close partnership with other topranking designers and yards in Scandinavia - and other parts of the world.

Brunvoll is at the hub

Brunvoll is inspired by the dynamic and innovative maritime cluster of Western Norway – and contributes to it. In a demanding environment of harsh seas and cost constraints, we are constantly pressured to come up with innovative and effective solutions.

Brunvoll, No. 1 in Norway for 50 years

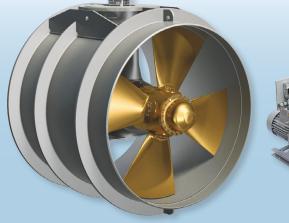
... with a strong position among advanced oceangoing fishing vessels in Denmark, the Faroe Islands, Iceland, Ireland, the Orkney Islands, Scotland, the Shetland Islands, and Sweden. Especially around the North Sea, Brunvoll is the major provider of thrusters for the most demanding fishing and research vessels. Brunvoll also has a strong position in the fishing sector in countries such as Chile and Russia.





The highly advanced 86m trawler "Gitte Henning" will use a Retractable Azimuth Thruster as part of the super-efficient catch process. This vessel is designed to perform midwater trawling in the North Sea for pelagic fish such as mackerel, herring and blue whiting.















"Christina E" is a state-of-the-art fishing vessel for purse seining, trawling, research and oil recovery



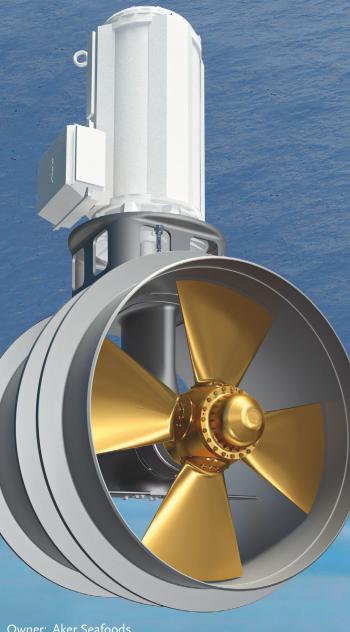
Built for multipurpose work "Christina E" can be used all year round. To maintain top quality of the fish, the integrated loading, cooling, and unloading system is designed for gentle handling.

The vessel is so efficient that her fish quota can be filled in 5-6 months. Her accommodation capacity allows flexible operation,

with 10-12 people on board for fishing activities and up to twice as many for research and offshore assignments. The vessel has an advanced hybrid propulsion system and a retractable keel with electronic equipment for marine research. "Christina E" has DP class and is equipped for dynamic positioning work on seabed installations. This ICE-C vessel was delivered in 2011.







Owner: Aker Seafoods
Design: Vard 01

Design: Vard 0 Yard: Vard

Bow: FU63 LTC 1550 600 kW











"Inger Hildur" – years of success















"Geir II" is designed by Skipsteknisk for operation in severe weather conditions, with high manoeuvrability and station-keeping capabilities.

Brunvoll thruster expertise contributed to the advanced longliner "Geir II". In the bow, the vessel is equipped with a Brunvoll Retractable Azimuth Thruster for superb manoevrability and back-up propulsion, enabling safer fishing

operations and take-home capability. The unit can also be used as a tunnel thruster in retracted position.

The thruster system improves comfort for the crew, because one can stop the main propulsion to reduce noise while using the Retractable Azimuth.

The vessel has a patented moon pool system for line hauling, which has been proved to raise catch quality.

2010 "Geir II"

Owner: H. P. Holmeset Design: Skipsteknisk ST 155 Yard: Fiskerstrand Verft

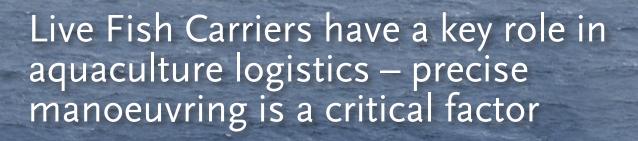
Bow: Retractable Azimuth Thruster

AR63 LNC 1650 700 kW















Brunvoll thrust in

The seabed is still less explored than the surface of Mars. It may give us clues to new fuels and medicines. We may find new knowledge of tsunamis and earthquakes. But conducting research in these dark and icy depths is enormously costly and challenging.

Research vessels with advanced technology are unlocking some of the secrets of the ultra-deep oceans. In remote and hostile environments, accurate manoeuvring, reliable performance for long periods at sea, and low-noise operation are key factors.



Research vessels for 40 years

Brunvoll's experience in specialized thruster applications is highly appreciated in this sector.

We offer customers our expertise in LowNoise, retractable azimuth and rim-driven thruster systems.

Brunvoll delivers complete thruster systems designed for dependable operation in harsh environments. We develop solutions to new challenges in dialogue with our customers.







UK's "James Cook" – a new milestone in 2006

















Brunvoll information resources are available in the publications shown here

Please contact us if you would like to receive any of our brochures.

You are also welcome to read or download them as PDF files at













SERVICE BRUNVOLL

Renowned for Company
Efficient and Presentation
Reliable Service
world wide





